



Korepox 514P

Zinc Phosphate Epoxy Primer

Protective Coating

Generic Type	Two pack polyamide cured anti-corrosion primer. Base and hardener to be mixed prior to application.					
General Properties	Korepox 514P is a versatile fast drying primer with zinc phosphate for enhanced inhibitive corrosion protection which is suitable to be overcoated after extended periods of weathering. Korepox 514P has good wetting, adhesion and abrasion resistance properties over abrasive blasted surface.					
Uses and Properties	Korepox 514P is widely used as anti-corrosion primer in both new constructions and maintenance in mild to aggressive industrial environments. Korepox 514P is also suitable for use as an underwater primer with controlled cathodic protection.					
Technical Information	<p>Finish Matt</p> <p>Color Grey / Oxide Red</p> <p>Component Two</p> <p>Volume Solids $40 \pm 2\%$</p> <p>Dry Film Thickness 40 to 50 μm</p> <p>Flash Point 15.5 deg. C (when mixed)</p> <p>Specific Gravity Approx. 1.30</p> <p>Temperature Resistance 90 deg. C (continuous) 125 deg. C (intermittent)</p> <p>Packaging 5.0 litres (4.0 litres Part A : 1.0 litres Part B) 20.0 litres (16.0 litres Part A : 4.0 litres Part B)</p> <p>Shelf life 12 months minimum</p>					
Typical Painting System	Substrate Surface			Primer		
	Steel			Korepox 514P		
	Normally overcoat with an epoxy intermediate coat and an epoxy or polyurethane finish.					
Application Method	Airless Spray			Tip Size : 0.43 - 0.58 mm (17 - 23 thou)		
	Recommended method of application			Pressure : 110 - 160 kg / cm ² (1600 - 2300 psi)		
Drying & Curing Time	Conventional Spray	: Can be used				
	Brush or Roller	: Recommended for stripe coating and small areas only				
	Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval		Pot Life
				Minimum	Maximum	
	15 deg. C	60 mins	4 hours	8 hours	Indefinite	12 hours
25 deg. C	30 mins	2 hours	4 hours	Indefinite	8 hours	
35 deg. C	20 mins	1 hours	2 hours	Indefinite	4 hours	
* The properties above may vary with surface temperature, site environment, film thickness, etc.						
Thinners & Cleaners	<p>Thinner : Thinner 56 (5% maximum addition)</p> <p>Cleaner : Cleaner 12</p> <p>Storage : Always store thinner and cleaner in a cool and shaded area. Exposure to direct heat is not recommended.</p>					

The above information is given to the best of our knowledge based on laboratory tests and practical experience. However, since we cannot anticipate or control the many conditions under which our products may be used, we can guarantee the quality of product itself.

<p>Surface Preparation</p>	<p>All surface to be coated must be clean, dry and free from contamination in accordance to ISO 8504. Oil and grease must be removed by solvent cleaning in accordance to SSPC - SP1.</p> <p>Abrasive blast clean to Sa 2.5 (ISO 8501-1:2007) or SSPC - SP6. If oxidation has occurred between the blasting time and application of Korepox 514P, the surface should be reblasted to the specified visual standard.</p> <p>An average surface profile up to 50 microns is recommended.</p>
<p>Application Temperatures</p>	<p>Air and surface temperature should be between 20 to 45 deg. C and surface temperature must be minimum 3 deg. C above dew point.</p>
<p>Mixing</p>	<p>Korepox 514P is supplied in 2 components, Part A - Base and Part B - Hardener. The Hardener (Part B) should be slowly added to the Base (Part A) while continuous stirring with a mechanical agitator.</p>
<p>Repair / Topcoating</p>	<p>Damaged areas should be spot blast to Sa 2.5 and touch up with a coat of Korepox 514P. Whenever spot blasting is deemed not possible, K' Mastic 5000 is recommended to be used for repair of damaged areas.</p>
<p>Product Limitations</p>	<p>In common with all epoxies, Korepox 514P will chalk and discolour on external exposure and weathering and this phenomenon is not detrimental to the anti-corrosive performance.</p> <p>Application of thickness more than 50 microns in a single coat will extend both the minimum coating intervals and handling times.</p> <p>For brush and roller applications, multiple coats may be required to achieve the required DFT.</p>
<p>Safety Precaution</p>	<p>This product is flammable and must be kept away from any source of ignition. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately. Keep out of reach of children.</p>

Disclaimer: The above information is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given information without prior notice.